



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

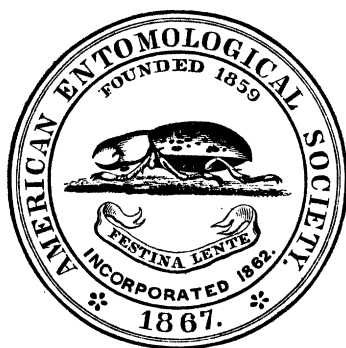
JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

TRANSACTIONS  
OF THE  
AMERICAN  
ENTOMOLOGICAL SOCIETY.

---

VOL. III.

---



PHILADELPHIA.  
PRINTED BY THE SOCIETY.  
1870—1.

# LIST OF PAPERS.

---

	PAGE.
BEHR, H., M. D.	
Synopsis Noctuidarum hucusque in California repertarum.	- 23
BLAKE, C. A.	
Descriptions of two new species of Mutilla.	- - 68
Synopsis of the Mutillidæ of North America.	- - 217
COPE, E. D.	
On some new and little known Myriapoda from the southern Alleghenies.	- - - - - 65
CRESSON, E. T.	
Descriptions of new species belonging to the subfamily Pimplariæ, found in America north of Mexico.	- 143
Descriptions of two new species of Masaris.	- - 348
EDWARDS, W. H.	
Notes on Graptas C Aureum and Interrogationis, Fab.	- 1
Descriptions on new species of Diurnal Lepidoptera found within the United States.	- - - - - 10, 205
Descriptions of new North American Diurnal Lepidoptera	- 189
Descriptions of new species of North American Lepidoptera.	- - - - - 266
GROTE, AUG. R.	
List of the Sphingidæ, Ægeriidæ, Zygænidæ and Bombycidæ of Cuba.	- - - - - 183
GROTE AND ROBINSON.	
Remarks on Dr. Boisduval's "Lepidopteres de la Californie."	- - - - - 173
Descriptions of American Lepidoptera, No. 5.	- 176

## HORN, G. H., M. D.

Synopsis of the Parnidæ of the United States. . . . .	29
Notes on some genera of Coprophagous Scarabæidæ of the United States. . . . .	42
Contributions to the Coleopterology of the United States. -	69
Descriptive Catalogue of the species of <i>Nebria</i> and <i>Pelophilæ</i> of the United States. . . . .	97
On the species of <i>Oodes</i> and allied genera of the United States. . . . .	105
Descriptions of the species of <i>Aphodius</i> and <i>Dialytes</i> of the United States. . . . .	110
Descriptions of new species of <i>Histeridæ</i> of the United States, . . . . .	134
Synopsis of the Species of <i>Corphyra</i> , Say, of the United States. . . . .	278
Synopsis of <i>Aphodiini</i> of the United States. . . . .	284
Remarks on the species of the Genus <i>Isomalus</i> , Er., of the United States. . . . .	297
Descriptions of new species of <i>Elateridæ</i> of the United States. . . . .	299

## LINTNER, J. A.

On <i>Graptæ Interrogationis</i> and <i>Fabricii</i> of Edwards. . .	197
--	-----

## OSTEN SACKEN, R.

Biological Notes on <i>Diptera</i> (Article 2d). . . . .	51
Contributions to the Natural History of the <i>Cynipidæ</i> of the United States and their Galls (Article 5th.) . . . .	54
Biological Notes on <i>Diptera</i> (Article 3d.) . . . . .	345

# INDEX.

The names of new genera and of new species are followed by the name of the Author.

PAGE	PAGE.
<i>Aemæodera quadrivittata</i> , <i>Horn</i> .....79	<i>Anatrichis minuta</i> .....106
<i>Acænites rupinsulensis</i> , <i>Walsh</i> .....143	<i>Anchastus desertus</i> , <i>Horn</i> ..... 311
<i>Acronycta afflicta</i> , <i>G. &amp; R.</i> .....179	<i>sericeus</i> , <i>Horn</i> ..... 311
<i>dissecta</i> .....178	<i>Ancyronyx</i> ..... 34
<i>funeralis</i> .....179	<i>variegatus</i> .....41
<i>luteicoma</i> , <i>G. &amp; R.</i> .....179	<i>Anelpistus</i> , <i>Horn</i> ..... 88
<i>Verrillii</i> , <i>G. &amp; R.</i> .....178	<i>americanus</i> , <i>Horn</i> .....88
<i>Egeriidae</i> . List of Cuban.....183	<i>Anophthalmus eremita</i> , <i>Horn</i> .....328
<i>Egialia</i> ..... 294	<i>Menetriesi</i> .....329
<i>conferta</i> , <i>Horn</i> .....294	<i>pubescens</i> ..... 329
<i>crassa</i> ..... 294	<i>pusio</i> .....329
<i>cylindrica</i> ..... 293	<i>Tellkampfi</i> .....329
<i>lacustris</i> .....293	<i>tenuis</i> , <i>Horn</i> .....327
<i>Aellopos Blainii</i> , <i>Grote</i> ..... 184	<i>Anthocaris Hyantis</i> , <i>Edwards</i> .....205
<i>Agama</i> , <i>Blake</i> ..... 258	<i>Olympia</i> , <i>Edwards</i> .....266
<i>Alcanor</i> , <i>Blake</i> .....264	<i>Anthœcia thoreau</i> , <i>G. &amp; R.</i> .....181
<i>Belfragei</i> , <i>Blake</i> .....263	<i>villosa</i> ..... 181
<i>castanea</i> .....264	<i>Aphodiini</i> ..... 284
<i>clara</i> ..... 261	<i>Aphodius</i> .....110, 294, 324
<i>concolor</i> .....262	<i>ægrotus</i> , <i>Horn</i> .....127
<i>Danaus</i> , <i>Blake</i> ..... 261	<i>aleutus</i> ..... 117
<i>glabrella</i> .....264	<i>alternatus</i> , <i>Horn</i> ..... 129
<i>hyalina</i> , <i>Blake</i> .....263	<i>arcticus</i> ..... 119
<i>imperialis</i> , <i>Blake</i> .....260	<i>bicolor</i> ..... 130
<i>melicausa</i> , <i>Blake</i> .....261	<i>cadaverinus</i> ..... 133
<i>mendica</i> , <i>Blake</i> ..... 259	<i>coloradensis</i> , <i>Horn</i> ..... 130
<i>Nokomis</i> , <i>Blake</i> .....260	<i>concavus</i> .....128, 324
<i>nubecula</i> ..... 264	<i>congregatus</i> ..... 119
<i>Orizaba</i> , <i>Blake</i> ..... 259	<i>consentaneus</i> .....123
<i>pallida</i> , <i>Blake</i> .....263	<i>crassulus</i> , <i>Horn</i> .....118, 324
<i>Tapajos</i> , <i>Blake</i> .....262	<i>denticulatus</i> .....116, 324
<i>triangularis</i> , <i>Blake</i> .....262	<i>dentiger</i> .....130, 324
<i>unicolor</i> ..... 261	<i>femoralis</i> .....141
<i>Agassizia</i> , <i>Behr</i> .....23	<i>finetarius</i> ..... 116
<i>urbicola</i> , <i>Behr</i> ..... 23	<i>fœtidus</i> .....119
<i>Agriotes protractus</i> , <i>Horn</i> .....317	<i>fossor</i> .....111
<i>Amechanus</i> , <i>Horn</i> .....48	<i>granarius</i> .....120
<i>ferrugineus</i> ..... 48	<i>hamatus</i> ..... 113
<i>fossatus</i> .....48	<i>hyperboreus</i> .....113
<i>serratus</i> ..... 48	<i>inquinatus</i> .....123, 324
<i>Anatrichis</i> .....106	<i>lentus</i> , <i>Horn</i> .....125

	PAGE.		PAGE.
<i>Aphodius leopardus, Horn</i> .....	124	<i>Atænius gracilis</i> .....	286
<i>lividus</i> .....	121	<i>hirsutus, Horn</i> .....	288
<i>lutulentus</i> .....	124	<i>imbricatus</i> .....	285
<i>militaris</i> .....	127	<i>lobatus, Horn</i> .....	287
<i>nevadensis, Horn</i> .....	121, 324	<i>lucanus, Horn</i> .....	288
<i>oblongus</i> .....	132, 324	<i>oblongus, Horn</i> .....	286
<i>occidentalis, Horn</i> .....	114	<i>ovatulus, Horn</i> .....	286
<i>ochreipennis, Horn</i> .....	295	<i>puncticollis</i> .....	288
<i>ovipennis, Horn</i> .....	133	<i>robustus, Horn</i> .....	285
<i>pardalis</i> .....	123, 324	<i>socialis, Horn</i> .....	287
<i>pectoralis</i> .....	120	<i>stercorator</i> .....	286
<i>phalerioides, Horn</i> .....	131, 324	<i>Athous axillaris, Horn</i> .....	316
<i>pinguis</i> .....	112, 324	<i>flavangularis, Horn</i> .....	317
<i>politus, Horn</i> .....	128	<i>Attalus elegans, Horn</i> .....	86
<i>rubeolus</i> .....	126	<i>nigripes, Horn</i> .....	85
<i>rubidus</i> .....	128	<i>Bolboceras farctus</i> .....	49
<i>rubiginosus, Horn</i> .....	127	<i>lazarus</i> .....	49
<i>rubripennis, Horn</i> .....	132	<i>Bolina Cinis</i> .....	25
<i>rugifrons, Horn</i> .....	295, 324	<i>hadeniformis, Bchr</i> .....	25
<i>uricola</i> .....	118	<i>jucunda</i> .....	25
<i>serval</i> .....	122, 324	<i>Bombycidæ. List of Cuban</i> .....	183
<i>stercorosus</i> .....	127	<i>Brachycybe Lecontei</i> .....	66
<i>stupidus, Horn</i> .....	125	<i>Bradycinetus, Horn</i> .....	334
<i>subæneus</i> .....	129	<i>Byrrhus Pettiti, Horn</i> .....	76
<i>terminalis</i> .....	129	<i>Callimome</i> .....	57
<i>torpidus, Horn</i> .....	114, 324	<i>advena, O. S.</i> .....	59
<i>ursinus</i> .....	118	<i>brevicauda, O. S.</i> .....	62
<i>validus, Horn</i> .....	112	<i>chrysochlora, O. S.</i> .....	63
<i>vestiarius, Horn</i> .....	121	<i>dura, O. S.</i> .....	59
<i>vittatus</i> .....	120	<i>ebria, O. S.</i> .....	58
<i>Walshii, Horn</i> .....	132, 324	<i>flavicoxa, O. S.</i> .....	61
<i>Arctiine</i> .....	176	<i>magnifica, O. S.</i> .....	62
<i>Arenetra canadensis</i> .....	159	<i>solitaria, O. S.</i> .....	64
<i>nigrita, Walsh</i> .....	159	<i>tubicola, O. S.</i> .....	60
<i>rufipes, Cresson</i> .....	159	<i>Callisthenes latipenne, Horn</i> .....	70
<i>ventralis, Cresson</i> .....	160	<i>pimelioides</i> .....	70
<i>Argynnis Bischoffii, Edwards</i> .....	189	<i>Calospasta elagens</i> .....	92
<i>Helena, Edwards</i> .....	268	<i>mirabilis, Horn</i> .....	93
<i>Nevadensis, Edwards</i> .....	14	<i>nemognathoides, Horn</i> .....	92
<i>Asphondylia</i> .....	51	<i>perpulchra, Horn</i> .....	92
<i>monacha</i> .....	347	<i>Calosoma Haydeni, Horn</i> .....	69
<i>rudbeckiæ conspicua, O. S.</i> .....	51	<i>peregrinator</i> .....	70
<i>Atænius</i> .....	284, 294	<i>tepidum</i> .....	69
<i>abditus</i> .....	289	<i>Cambala annulata</i> .....	66
<i>alternatus</i> .....	285	<i>Canthon</i> .....	44
<i>cylindrus, Horn</i> .....	289	<i>chalcites</i> .....	47
<i>desertus, Horn</i> .....	289	<i>cyaneus</i> .....	45

PAGE.	PAGE.
Canthon depressipennis.....46	Colias Emilia, <i>Edwards</i> ..... 12
ebenus.....46	Meadii, <i>Edwards</i> .....267
indigaceus --- .....45	Collops.....79
laevis.....47	balteatus.....80
Lecontei.....46	bipunctatus.....80
nigricornis.....45	confluens.....81
perplexus.....46	cribrosus .....80
practicola.....45	eximius.....80
probus.....45	histrio.....80
puncticollis.....45	insulatus.....80
simplex.....46	laticollis, <i>Horn</i> ..... 81, 83
vigilans.....47	limbellus.....81, 83
viridis.....47	marginellus.....81
Capnodes californica, <i>Behr</i> .....23	marginicollis.....80
Carabus gladiator.....70	nigriceps.....80
hudsonicus.....70	punctatus.....80
tatumi.....70	punctulatus.....81
Cardiophorus æneus, <i>Horn</i> .....301	pulchellus, <i>Horn</i> .....80, 83
Edwardsii, <i>Horn</i> .....301	quadrimaculatus.....80
togatus, <i>Horn</i> .....301	tricolor.....80
Catocala Irene, <i>Behr</i> .....24	validus, <i>Horn</i> .....80, 82
Stretchii, <i>Behr</i> .....24	vittatus.....81
Zoe, <i>Behr</i> .....24	Colymbetes coriaceus ..... 330
Cecidomyia caryæ nucicola, <i>O. S.</i> .....53	inæqualis, <i>Horn</i> .....330
cerasi serotinæ, <i>O. S.</i> .....246	Copris.....42
quercus majulis.....53	anaglypticus.....43
sambuci umbellicola, <i>O. S.</i> 52	carolinus.....42
tiliæ citrina, <i>O. S.</i> .....53	minutus.....43
Chariessa elegans, <i>Horn</i> .....87	mæchus.....43
Charis Nemensis, <i>Edwards</i> .....212	remotus.....43
Chionobas Stretchii, <i>Edwards</i> .....192	Coptostethus? americanus, <i>Horn</i> ... 393
Chlænius alternatus, <i>Horn</i> .....327	Corphyra.....278
orbis, <i>Horn</i> .....326	canaliculata.....283
viduus, <i>Horn</i> .....325	collaris.....282
Chrysophanus cupreus, <i>Edwards</i> .....20	cyanipennis.....280
Hermes, <i>Edwards</i> .....21	elegans.....282
Ianthæ, <i>Edwards</i> ....211	fulvipes.....2-1
Sirius, <i>Edwards</i> .....270	funebis, <i>Horn</i> .....280
virginiensis, <i>Edwards</i> ..21	labiata.....281
Cicindela puritana, <i>Horn</i> .....325	Lewisii, <i>Horn</i> .....281
Clerus repandus, <i>Horn</i> .....342	lugubris.....280
Clistopyga annulipes, <i>Cresson</i> .....150	Newmani.....279
Cænonympha Ampelos, <i>Edwards</i> ...213	pulchra.....281
Coleoptera...29, 42, 69, 97, 105, 110, 134,	punctulata.....281
278, 284, 297, 299, 325	terminalis.....282
Colias Ariadne, <i>Edwards</i> .....12	vittata, <i>Horn</i> .....279
Edwardsii, <i>Behr</i> .....11	Corymbites.....318

	PAGE.		PAGE.
<i>Corymbites appressus</i> .....	344	<i>Cyclocephala immaculata</i> .....	324, 336
<i>Breweri</i> .....	321	<i>longula</i> .....	337
<i>carbo</i> .....	323	<i>manca</i> .....	335
<i>Copei, Horn</i> .....	319	<i>nigricollis</i> .....	324, 336
<i>cruciatus</i> .....	323	<i>puberula</i> .....	324, 336
<i>hamatus</i> .....	344	<i>seditiosa</i> .....	324, 335
<i>limoniiiformis, Horn</i> .....	320	<i>villosa</i> .....	336
<i>longicornis, Horn</i> .....	79, 344	<i>Cyclopides Skada, Edwards</i> .....	196
<i>monticola, Horn</i> .....	319	<i>Cylloceria occidentalis, Cresson</i> .....	160
<i>morulus</i> .....	323	<i>Cynipidæ</i> .....	54
<i>nigricollis</i> .....	322	<i>Cynips q. echinus, O. S.</i> .....	56
<i>obversus, Horn</i> .....	322	<i>q. notha, O. S.</i> .....	56
<i>præses, Horn</i> .....	321	<i>q. palustris</i> .....	54
<i>praininus, Horn</i> .....	320	<i>Diachila subpolaris</i> .....	70
<i>rotundicollis</i> .....	323	<i>Dialytes</i> .....	110, 294
<i>trapezium</i> .....	344	<i>striatulus</i> .....	134
<i>triundulatus</i> .....	322, 344	<i>truncatus</i> .....	133
<i>umbripennis</i> .....	344	<i>Diplosis resinicola, O. S.</i> .....	346
<i>xanthomus, Horn</i> .....	319	<i>Diptera</i> .....	51, 245
<i>Cotalpa consobrina, Horn</i> .....	324, 337	<i>Ditylus bicolor, Horn</i> .....	88
<i>granicollis</i> .....	324, 338	<i>cyanipennis, Horn</i> .....	89
<i>lanigera</i> .....	324, 338	<i>Drasterius grandicollis, Horn</i> .....	308, 344
<i>puncticollis</i> .....	338	<i>marginicollis, Horn</i> .....	308, 344
<i>ursina</i> .....	324, 338	<i>Dynastes Grantii, Horn</i> .....	78
<i>Cremastochilus</i> .....	339	<i>Tityus</i> .....	78
<i>angularis</i> .....	341	<i>Elacatis longicornis, Horn</i> .....	334
<i>canaliculatus</i> .....	340	<i>Elateridæ</i> .....	229
<i>castaneæ</i> .....	340	<i>Elater apicatus</i> .....	307
<i>depressus, Horn</i> .....	340	<i>atripennis, Horn</i> .....	306
<i>Harrisii</i> .....	340	<i>Behrensi, Horn</i> .....	306, 344
<i>Knochii</i> .....	340	<i>cordatus, Horn</i> .....	306, 344
<i>nitens</i> .....	324, 340	<i>cordifer</i> .....	307, 344
<i>pilesicollis, Horn</i> .....	341	<i>dimidiatus</i> .....	307
<i>planatus</i> .....	324, 339	<i>Elatrinus, Horn</i> .....	307
<i>saucius</i> .....	340	<i>anthrax, Horn</i> .....	307
<i>Schaumii</i> .....	324, 340	<i>Eleusis</i> .....	299
<i>squammulosus</i> .....	340	<i>Elmidæ</i> .....	29
<i>variolosa</i> .....	340	<i>Elmis</i> .....	34
<i>Crossocrepis</i> .....	107	<i>abnormis, Horn</i> .....	38
<i>Cryptohypnus æstivus, Horn</i> .....	304	<i>bivittatus</i> .....	35
<i>colon, Horn</i> .....	305	<i>elegans</i> .....	36
<i>dubius, Horn</i> .....	305	<i>fastiditus</i> .....	36
<i>perplexus, Horn</i> .....	304, 344	<i>ferruginous</i> .....	39
<i>Sanborni, Horn</i> .....	303	<i>glaber</i> .....	37
<i>Cyclocephala</i> .....	334	<i>latiusculus</i> .....	37
<i>elegans, Horn</i> .....	324, 337	<i>moestus, Horn</i> .....	37
<i>hirta</i> .....	336	<i>nitidulus</i> .....	37



PAGE	PAGE.
Elmis ovalis.....36	Glyptoma brevicristatum, <i>Horn</i> .....332
pusillus.....38	Gnathium.....94
quadrimaculatus, <i>Horn</i> .....37	flavicolle.....95
quadrinotatus.....35	francilloni.....95
similis, <i>Horn</i> .....38	minimum.....94
vittatus.....35	nitidum, <i>Horn</i> .....95
Engis californica, <i>Horn</i> .....97	texanum, <i>Horn</i> .....94
Ephialtes albipes, <i>Cresson</i> .....143	Grapta C aureum.....1
perlongus, <i>Cresson</i> .....143	Dryas, <i>Edwards</i> .....17
Epimecis Wiltii, <i>Cresson</i> .....143	Fabricii.....5, 197
Epipocus unicolor, <i>Horn</i> .....96	interrogationis.....5, 197
Erebia Callias, <i>Edwards</i> .....274	Marsyas, <i>Edwards</i> .....16
Rhodia, <i>Edwards</i> .....273	Silenus, <i>Edwards</i> .....15
Erebus Odora.....23	Zephyrus, <i>Edwards</i> .....16
Eresia punctata, <i>Edwards</i> .....191	Hapalorhinus biguttulus, <i>Horn</i> .....87
Euparia.....294	Helichus.....31
castanea.....289	fastigiatus.....33
Euptychia rubricata, <i>Edwards</i> .....212	lithophilus.....32
Euxorides, <i>Cresson</i> .....167	productus.....32
americanus, <i>Cresson</i> .....167	striatus.....33
Evolenes.....106	suturalis.....33
exarata.....109	Heliothis citrinellus, <i>G. &amp; R.</i> .....180
impressa.....109	exprimens.....180
Fidonia fimetaria, <i>G. &amp; R.</i> .....182	paradoxus.....181
Glypta albomarginata, <i>Cresson</i> .....157	phlogophagus.....180
animosa, <i>Cresson</i> .....154	spinose.....180
borealis, <i>Cresson</i> .....158	umbrosus.....180
canadensis, <i>Cresson</i> .....157	Hesperia Dacotah, <i>Edwards</i> .....277
coloradensis, <i>Cresson</i> .....158	Eos, <i>Edwards</i> .....276
Dakota, <i>Cresson</i> .....158	Hayhurstii, <i>Edwards</i> .....22
erratica, <i>Cresson</i> .....152	Horus, <i>Edwards</i> .....277
inversa, <i>Cresson</i> .....153	minima, <i>Edwards</i> .....196
longiventris, <i>Walsh</i> .....154	Ophis, <i>Edwards</i> .....216
macra, <i>Cresson</i> .....158	Tamenund, <i>Edwards</i> .....215
militaris, <i>Cresson</i> .....154	Hetærius californicus, <i>Horn</i> .....137
monita, <i>Cresson</i> .....155	Heteropterus Arene, <i>Edwards</i> .....214
parva, <i>Cresson</i> .....155	Procris, <i>Edwards</i> .....215
pulchripes, <i>Cresson</i> .....153	Histeridæ.....134
rubripes, <i>Cresson</i> .....156	Hister arcuatus.....136
rufiscutellaris, <i>Walsh</i> .....153	Arizonae, <i>Horn</i> .....134
rufofasciata, <i>Cresson</i> .....158	biplagiatus.....136
scitula, <i>Cresson</i> .....155	Gloveri, <i>Horn</i> .....135
simplicipes, <i>Walsh</i> .....156	instratus.....136
tuberculifrons, <i>Walsh</i> .....152	lævipes.....136
varipes.....151	militaris, <i>Horn</i> .....135
virginiensis, <i>Cresson</i> .....157	sellatus.....136
vulgaris, <i>Cresson</i> .....154	Ulkei, <i>Horn</i> .....134

	PAGE.		PAGE.
Homoptera Rosæ, <i>Behr</i> .....	28	Limonia eribricollis, <i>Horn</i> .....	314
<i>Salicis, Behr</i> .....	28	<i>infuscatus</i> .....	315
Horistonotus definitus, <i>Horn</i> .....	302	<i>maelicollis</i> .....	316, 344
<i>Uhlerii, Horn</i> .....	302	<i>mirus</i> .....	344
Hydnocera albocincta, <i>Horn</i> .....	342	<i>nitidulus, Horn</i> .....	315
Hydrophilus quadristriatus, <i>Horn</i> .....	331	<i>occidentalis</i> .....	315
Hymenoptera.....	68, 143, 248	<i>ornatulus</i> .....	316
Hypena californica, <i>Behr</i> .....	23	<i>quadrimaculatus, Horn</i> .....	313,
Isomalus.....	297	.....	344
<i>canadensis, Horn</i> .....	299	<i>Ulkei, Horn</i> .....	314, 344
<i>fasciatus</i> .....	298	Lithosia cephalica, <i>G. &amp; R</i> .....	176
<i>nigrellus</i> .....	299	Ludius Lecontei, <i>Horn</i> .....	313, 344
<i>pallidus</i> .....	298	Lutrochus.....	31
Laceophilus pictus.....	330	<i>luteus</i> .....	31
<i>quadrilineatus, Horn</i> .....	330	Lycæna Alce, <i>Edwards</i> .....	272
Lachnocrepis.....	106	<i>Ardea, Edwards</i> .....	209
<i>parallela</i> .....	106	<i>Daunia, Edwards</i> .....	272
Lampronota agilis, <i>Cresson</i> .....	164	<i>Fea, Edwards</i> .....	211
<i>americana, Cresson</i> .....	164	<i>Fulla, Edwards</i> .....	194
<i>brunnea</i> .....	161	<i>Glaucon, Edwards</i> .....	210
<i>coloradensis, Cresson</i> .....	165	<i>Gyas, Edwards</i> .....	210
<i>exigua, Cresson</i> .....	164	<i>Helios, Edwards</i> .....	208
<i>exilis, Cresson</i> .....	165	<i>Kodiak, Edwards</i> .....	20
<i>frigida</i> .....	161	<i>Lycea</i> .....	272
<i>insita, Cresson</i> .....	162	<i>Mintha, Edwards</i> .....	194
<i>jocosa, Cresson</i> .....	162	<i>Viaca, Edwards</i> .....	209
<i>lævigata, Cresson</i> .....	162	Lytta auriculata, <i>Horn</i> .....	91
<i>macra, Cresson</i> .....	163	<i>compressicornis, Horn</i> .....	91
<i>montana</i> .....	161	<i>deserticola, Horn</i> .....	90
<i>occidentalis, Cresson</i> .....	161	<i>magister, Horn</i> .....	90
<i>parva, Cresson</i> .....	163	<i>refulgens, Horn</i> .....	91
<i>pleuralis, Cresson</i> .....	161	Macroglossum phæton.....	174
<i>pulchella, Cresson</i> .....	162	Macronychus.....	34
<i>punctata, Cresson</i> .....	163	<i>glabratus</i> .....	41
<i>rubrica, Cresson</i> .....	165	<i>parvulus, Horn</i> .....	41
<i>rufipes</i> .....	161	Malachius biguttulus, <i>Horn</i> .....	87
<i>scutellaris, Cresson</i> .....	161	Masaris occidentalis, <i>Cresson</i> .....	348
<i>tegularis, Cresson</i> .....	163	<i>texanus, Cresson</i> .....	348
<i>varia, Cresson</i> .....	164	Megapenthes aterrimus, <i>Horn</i> .....	309
Lara avara.....	30	<i>caprella</i> .....	344
Limonia Palmerii, <i>Edwards</i> .....	195	<i>elegans, Horn</i> .....	310, 344
Lepidoptera, Diurnal.....	1, 10, 189, 205	<i>Rogersi, Horn</i> .....	310, 344
.....	266	<i>stigmatosus</i> .....	344
Lepidoptera, Nocturnal.....	23, 173, 176	Melitæa Sterope, <i>Edwards</i> .....	190
.....	183	<i>Thekla, Edwards</i> .....	191
Leucania rubripennis, <i>G. &amp; R</i> .....	179	Meniscus elegans, <i>Cresson</i> .....	165
Lichnanthe Edwardsii, <i>Horn</i> .....	77	<i>mirabilis, Cresson</i> .....	166

PAGE.	PAGE.
Meristhus cristatus, <i>Horn</i> ..... 299, 344	Mutilla cruciata..... 253
texanus, <i>Horn</i> ..... 300, 344	cubensis, <i>Blake</i> ..... 231
scobinula..... 300	Cypris, <i>Blake</i> ..... 246
Methoca canadensis..... 265	dubitata..... 256
Poeyi..... 265	exulans..... 256
Monocrepidius mutuus, <i>Horn</i> ..... 312	fenestrata..... 238
robustus, <i>Horn</i> ..... 311	ferrugata..... 246
Mutillidæ..... 217	flavida, <i>Blake</i> ..... 249
Mutilla..... 219, 227	floridana, <i>Blake</i> ..... 245
Ægina..... 235	formosa, <i>Blake</i> ..... 244
Ajax, <i>Blake</i> ..... 226	frigida..... 256
Altamira, <i>Blake</i> ..... 244	fulvohirta..... 235
andreniformis..... 255	gibbosa..... 240
antiguensis..... 255	Gila, <i>Blake</i> ..... 250
apicalata, <i>Blake</i> ..... 238	Gorgon, <i>Blake</i> ..... 233
arachnoides..... 244	gothica, <i>Blake</i> ..... 252
Ariadne, <i>Blake</i> ..... 243	gracilis, <i>Blake</i> ..... 231
Asopus..... 237	Grotei, <i>Blake</i> ..... 228
aureola..... 235	Hector, <i>Blake</i> ..... 237
auripes, <i>Blake</i> ..... 254	hexagona..... 228
auripilis, <i>Blake</i> ..... 233	Holotricha..... 256
azteca, <i>Blake</i> ..... 240	Iztapa, <i>Blake</i> ..... 241
Balopilas, <i>Blake</i> ..... 244	Izucar, <i>Blake</i> ..... 253
balteola, <i>Blake</i> ..... 248	laticeps, <i>Blake</i> ..... 249
Bellona..... 235	Leona, <i>Blake</i> ..... 230
Bexar, <i>Blake</i> ..... 238	Lerma, <i>Blake</i> ..... 251
bioculata..... 236	macilenta, <i>Blake</i> ..... 239
bisignata, <i>Blake</i> ..... 252	macra..... 238
brazoria, <i>Blake</i> ..... 255	magna..... 235
Briaxus, <i>Blake</i> ..... 227	medea..... 236
californica..... 235	melanosoma, <i>Blake</i> ..... 240
canadensis, <i>Blake</i> ..... 252	militaris..... 256
canella, <i>Blake</i> ..... 239	minutissima, <i>Blake</i> ..... 254
canina..... 255	montezumæ..... 256
capitata..... 241	monticola..... 237
castor, <i>Blake</i> ..... 237	montivaga..... 255
Chiapa, <i>Blake</i> ..... 253	mutata, <i>Blake</i> ..... 247
Cinaloa, <i>Blake</i> ..... 231	nigriceps..... 245
coccineohirta, <i>Blake</i> ..... 235	Nortoni, <i>Blake</i> ..... 68, 242
C'omanche, <i>Blake</i> ..... 234	Oajaca, <i>Blake</i> ..... 228
combusta..... 255	obscura, <i>Blake</i> ..... 239
connectens..... 252	occidentalis..... 236
contracta..... 255	Oecola, <i>Blake</i> ..... 248
contumax..... 252	Orcus..... 233
C'opano, <i>Blake</i> ..... 232	ornativentris..... 230
C'ressoni, <i>Blake</i> ..... 68, 242	pallicept..... 230
Creusa..... 236	pennsylvanica..... 233

PAGE.	PAGE.
Mutilla petricola, <i>Blake</i> .....253	Nebia Gebleri.....101
Promethea, <i>Blake</i> .....229	gregaria.....100
propinqua.....248	hudsonica.....102
Proserpina, <i>Blake</i> .....241	ingens, <i>Horn</i> .....98
psammadroma, <i>Blake</i> .....254	Mannerheimii.....103
pulchra.....257	mollis.....104
quadriguttata.....246	metallica.....100
Robinsonii, <i>Blake</i> .....250	nivalis.....104
rubriceps.....257	obliqua.....101
rufa.....257	pallipes.....104
Sackenii.....235	Rathvoni.....103
Sanbornii, <i>Blake</i> .....248	Sahlbergi.....102
Sayi, <i>Blake</i> .....229	suturalis.....101
scæva, <i>Blake</i> .....232	virescens, <i>Horn</i> .....100
scævola, <i>Blake</i> .....247	viridis, <i>Horn</i> .....101
scrupea.....230	Nelphe coccinipes, <i>Grote</i> .....187
senex.....230	Odontæus.....50
Sicheliana.....257	cornigerus.....50
simillima.....255	flicornis.....50
Splola, <i>Blake</i> .....243	obesus.....50
Sumichrasti.....236	Odontomerus abdominalis.....168
tolteca, <i>Blake</i> .....246	æthiops.....168
Toluca, <i>Blake</i> .....242	bicolor, <i>Cresson</i> .....169
trisignata, <i>Blake</i> .....241	mellipes.....168
Ulkei.....245	vicinus, <i>Cresson</i> .....168
vagans.....257	Omophron.....71
versicola.....257	americanum.....74
verticalis.....257	dentatum.....74
vestita.....257	gilæ.....72
vigilans.....258	labiatum.....71
Waco, <i>Blake</i> .....238	nitidum.....72
Wilsoni.....240	obliteratum, <i>Horn</i> .....73
Xalapa, <i>Blake</i> .....249	ovale, <i>Horn</i> .....75
Xalisco, <i>Blake</i> .....245	robustum, <i>Horn</i> .....73
Yucatanæ, <i>Blake</i> .....231	tesselatum.....74
Zapoteca, <i>Blake</i> .....250	Onitis nicanor.....51
Zelaya, <i>Blake</i> .....234	Onthophilus Lecontei, <i>Horn</i> .....138
Mycetina limbata, <i>Horn</i> .....96	Oodes.....106
pallida, <i>Horn</i> .....96	amaroides.....107
Myriapoda.....65	americanus.....107
Myrmosa unicolor.....265	cupræus.....108
Nebia.....97	elegans.....108
bifaria.....102	fluvialis.....107
diversa.....99	Lecontei.....108
carbonaria.....104	quatuordecimstratus.....108
Eschscholtzii.....103	texanus.....109
elias.....104	Osmoderma socialis, <i>Horn</i> .....338

PAGE.	PAGE.
Othnius..... 333	Pimpla rufovaria, <i>Cresson</i> ..... 149
Oxacis sericea, <i>Horn</i> ..... 89	scriptifrons, <i>Walsh</i> ..... 148
Oxygonus ater, <i>Horn</i> ..... 318	tenuicornis ..... 144
obesus..... 344	texana, <i>Cresson</i> ..... 145
Oxyomus..... 294	Pinotus ..... 42
opacifrons..... 284	carolinus... .. 42
Pamphila Attalus, <i>Edwards</i> ..... 276	Plegaderus Erichsonii ..... 42
Draco, <i>Edwards</i> ..... 274	fraternus, <i>Horn</i> ..... 141
Licinus, <i>Edwards</i> ..... 275	nitidus, <i>Horn</i> ..... 141
Parnassius Behrii, <i>Edwards</i> ..... 10	Sayi..... 142
Parnidæ..... 29	transversus..... 142
Pelonomus..... 31	Pleurophorus ..... 294
obscurus..... 31	cæsus..... 291
Pelophila ..... 98, 104	Polydesmus virginienensis ..... 67
californica ..... 105	Polysphincta Burgessii, <i>Cresson</i> ..... 149
Eschscholtzii..... 104	limata, <i>Cresson</i> ..... 150
rudis ..... 105	texana, <i>Cresson</i> ..... 149
Ulkei, <i>Horn</i> ..... 105	Psammodius..... 294
Petaserpes, <i>Cope</i> ..... 65	ægialioides..... 292
rosalbus, <i>Cope</i> ..... 65	bidens, <i>Horn</i> ..... 293
Phyciodes Camillus, <i>Edwards</i> ..... 268	cælatus ..... 292
Canace, <i>Edwards</i> ..... 206	interruptus..... 292
Emissa, <i>Edwards</i> ..... 269	quinqueplicatus, <i>Horn</i> ..... 292
Orseis, <i>Edwards</i> ..... 260	Psammotherma..... 226
Phytodietus distinctus, <i>Cresson</i> ..... 166	Ajax, <i>Blake</i> ..... 226
vulgaris, <i>Cresson</i> ..... 166	Psephenidæ..... 29
Phytosus littoralis, <i>Horn</i> ..... 331	Psephenus Haldemani, <i>Horn</i> ..... 30
Pieris Calyce, <i>Edwards</i> ..... 189	Lecointei ..... 30
Virginienensis, <i>Edwards</i> ..... 13	Pseudomorpha Behrensi, <i>Horn</i> ..... 76
Pimplariæ. List of N. A ..... 169	Pseudotremia cavernarum ..... 67
Pimpla alboricta, <i>Cresson</i> ..... 147	Quedius spelæus, <i>Horn</i> ..... 332
annulicornis, <i>Walsh</i> ..... 147	Rhyssenus..... 290, 294
annulipes..... 144	californicus, <i>Horn</i> ..... 290
aquilonia, <i>Cresson</i> ..... 145	riparius, <i>Horn</i> ..... 290
atrocoxalis, <i>Cresson</i> ..... 145	scaber..... 290
conquisitor ..... 144	Saprinus æneicollis ..... 141
incompleta, <i>Cresson</i> ..... 147	æneipunctatus, <i>Horn</i> ..... 333
indagatrix, <i>Walsh</i> ..... 146	æquipunctatus, <i>Horn</i> ..... 140
inquisitor..... 144	cubæcola ..... 140
maura, <i>Cresson</i> ..... 145	estriatus..... 139
notanda, <i>Cresson</i> ..... 148	Satyrus Gabbii, <i>Edwards</i> ..... 193
novita, <i>Cresson</i> ..... 146	Schizopyga frigida, <i>Cresson</i> ..... 159
Ontario, <i>Cresson</i> ..... 146	Scotodes..... 343
pedalis ..... 144	americanus..... 343
picticornis, <i>Cresson</i> ..... 146	Serica crassata..... 78
ptelas..... 145	elongatula, <i>Horn</i> ..... 77
rufopectus, <i>Cresson</i> ..... 148	valida ..... 78

PAGE.	PAGE.
Sphærophthalma, <i>Blake</i> ..... 232	Tegrodera <i>erosa</i> ..... 93
Sphingidæ. List of Cuban.....183	Thanasimus <i>repandus</i> , <i>Horn</i> ..... 342
Spirostrephon <i>lactarius</i> ..... 66	Thecla <i>Alcestis</i> , <i>Edwards</i> .....271
Stenelmis.....34	Autolytus, <i>Edwards</i> ..... 271
<i>bicarinatus</i> ..... 40	<i>Behrii</i> , <i>Edwards</i> ..... 18
<i>crenatus</i> .....39	<i>Castalis</i> , <i>Edwards</i> ..... 208
<i>elongatus</i> .....42	<i>Cygnus</i> , <i>Edwards</i> ..... 207
<i>humerosus</i> .....42	<i>Dryope</i> , <i>Edwards</i> ..... 19, 193
<i>linearis</i> ..... 39	<i>Ninus</i> , <i>Edwards</i> ..... 270
<i>quadrinaculatus</i> , <i>Horn</i> ... 40	<i>Tetra</i> , <i>Edwards</i> ..... 19
<i>sinuatus</i> ..... 39	Thymeticus <i>Hylax</i> , <i>Edwards</i> ..... 274
<i>sordidus</i> ..... 42	Trachypachys <i>Gibbsi</i> ..... 71
<i>vittipennis</i> ..... 40	Tribalus <i>californicus</i> , <i>Horn</i> ..... 137
Stenous..... 107	Triplax <i>aulica</i> , <i>Horn</i> ..... 343
Stereoptes <i>Skada</i> , <i>Edwards</i> .....214	Tritoma <i>aulica</i> , <i>Horn</i> ..... 343
Suphis <i>lineatus</i> , <i>Horn</i> ..... 329	Trophimus, <i>Horn</i> ..... 84
Syneda <i>adumbrata</i> , <i>Behr</i> .. 27	<i>æneipennis</i> , <i>Horn</i> ..... 85
<i>divergens</i> , <i>Behr</i> .....27	Valgus <i>californicus</i> , <i>Horn</i> .....78
<i>Edwardsii</i> , <i>Behr</i> ..... 28	Vanessodes <i>clarus</i> ..... 176
<i>maculosa</i> , <i>Behr</i> ..... 26	Xorides <i>borealis</i> , <i>Cresson</i> .....167
<i>mexicana</i> , <i>Behr</i> .....26	Xylobius <i>cylindriciformis</i> , <i>Horn</i> .....341
<i>nubicola</i> , <i>Behr</i> ..... 25	Xylonomus <i>albopictus</i> , <i>Cresson</i> .....168
<i>ochracea</i> , <i>Behr</i> .....125	<i>australis</i> , <i>Cresson</i> .....167
<i>socia</i> , <i>Behr</i> ..... 27	<i>cineticornis</i> .....167
<i>Stretchii</i> , <i>Behr</i> ..... 27	<i>frigidus</i> , <i>Cresson</i> .....168
<i>tejonica</i> , <i>Behr</i> ..... 26	<i>humeralis</i> .....167
Syrichthus <i>Oceanus</i> , <i>Edwards</i> ..... 213	<i>stigmapterus</i> ..... 167
<i>Petreius</i> , <i>Edwards</i> ..... 195	Zonitis <i>longicornis</i> , <i>Horn</i> .....93
Tarache <i>cretata</i> , <i>G. &amp; R.</i> ..... 181	Zygænidæ. List of Cuban..... 183

—:O:—

### ERRATA.

PAGE. 223. Before species 21, insert *Subdivision II.*

" 248. Before species 77, insert *DIVISION II.*

(For additional Errata, see pages 265 and 296.)